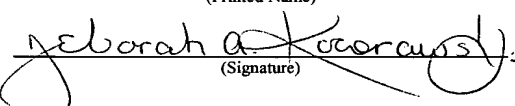




Atty. Dkt. No. 043739-0175
U.S. Ser. No. 10/069,434

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thornton et al.
Title: HUMAN CARBONIC
ANHYDRASES
Appl. No.: 10/069,434
Filing Date: 07/18/2002
Examiner: Saidha, Tekchand
Art Unit: 1652

CERTIFICATE OF EXPRESS MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
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Deborah A. Kocorowski (Printed Name)	
 (Signature)	

AMENDMENT AND REPLY UNDER 37 CFR 1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated September 30, 2004, concerning the above-referenced patent application.

Amendments to the Specification begin on page 2 of this document.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this document.

Remarks/Arguments begin on page 8 of this document.

Please amend the application as follows: